

INTERNATIONAL SEARCH REPORT

International Application No
P/GB2004/003451

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A63B71/10 A63B33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A63B A61F A63C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93/19814 A (ALPHAX CO LTD ; NITTA YUKUO (JP)) 14 October 1993 (1993-10-14) abstract; figures 1-4	1-23, 34-49, 56-62
X	US 5 940 892 A (MORGAN DAVID H) 24 August 1999 (1999-08-24) column 3, line 17 - column 4, line 32; figures 1-6	1, 2, 6, 7, 10-15, 18-23, 33, 35-41, 43, 44, 49, 56-58, 61-63

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *E* earlier document but published on or after the International filing date
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

21 October 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 537 687 A (GARZA JAIME) 23 July 1996 (1996-07-23) column 8, line 25 - column 9, line 24; figures 7-10 -----	24-49, 56-63
X	US 5 581 822 A (TAGYO AKIKO) 10 December 1996 (1996-12-10) column 2, line 6 - line 67; figures 1-3 -----	50-63
X	US 5 777 712 A (SANSALONE SALVATORE N) 7 July 1998 (1998-07-07) column 3, line 50 - column 5, line 42; figures 1-6 -----	50-63
X	US 2002/071093 A1 (PIEROTTI ELIZABETH M) 13 June 2002 (2002-06-13) paragraphs '0024!, '0025!, '0028!; figure 5 -----	50-57
A	US 4 649 908 A (GHALY MAURICE S) 17 March 1987 (1987-03-17) the whole document -----	1, 24

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